UNITED
NATIONS

ST

Secretariat

Distr.
GENERAL

ST/SG/SER.E/238
4 March 1991
ENGLISH
ORIGINAL: RUSSIAN

COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON
REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 27 February 1991 from the Permanent Mission of the Union of Soviet Socialist Republics to the United Nations addressed to the Secretary-General

The Permanent Mission of the Union of Soviet Socialist Republics to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the Convention on Registration of Objects Launched into Outer Space, has the honour to transmit information concerning space objects launched by the USSR in November and December 1990 and concerning objects previously launched into earth orbit which are no longer in orbit.

READEX FICHE

REGISTRATION DATA

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN NOVEMBER 1990

1. In November 1990, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics				General purpose of space object
			Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	
1	2	3	4	5	6	7	8
2632	Gorizont, launched by a Proton carrier rocket	3 November	35 688	35 688	1.4	1 431	Operation of the telephone and telegraph radio-communications system and transmission of television programmes
2633	Cosmos-2103	14 November	430	410	65	92.8	Investigation of outer space
2634	Cosmos-2104, launched by a Soyuz carrier rocket	16 November	387	247	62.8	90.6	Investigation of the upper atmosphere and outer space
2635	Cosmos-2105	20 November	39 339	606	63.2	709	Investigation of outer space
2636	Molniya-1, launched by a Molniya carrier rocket	23 November	40 593	654	62.9	735	Operation of the long-range telephone and telegraph radio-communications system and transmission of USSR Central Television programmes in the Orbita network
2637	Gorizont, launched by a Proton carrier rocket	23 November	36 545	36 545	1.3	1 475	Operation of the telephone and telegraph radio-communications system and transmission of USSR Central Television programmes
2638	Cosmos-2106	30 November	550	526	82.5	95.2	Investigation of outer space

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in November 1990 and were no longer in Earth orbit at 2400 hours Moscow time on 30 November 1990:

1976-041A (Molniya-3)
1990-012A (Cosmos-2059)
1990-033A (Cosmos-2072)
1990-085A (Cosmos-M-5)
1990-087A (Cosmos-2101)

.../

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN DECEMBER 1990

1. In December 1990, the USSR launched the following space objects:

No.	Name of space object	Date of launching	Basic orbit characteristics: Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
1	2	3	4	5	6	7	8
2639	Soyuz TM-II (jointly with the private Japanese company TBS)	2 December	326	283	51.6	90.3	Transport to the Mir manned orbital station of the international crew consisting of the cosmonauts V. M. Afanasyev, M. Kh. Manarov, and T. Akiyami (Japan) for the purpose of carrying out joint work with the cosmonauts G. M. Manakov and G. M. Strekalov
2640	Cosmos-2107	4 December	442	414	65	92.9	Investigation of outer space
2641	Cosmos-2108, launched by a Soyuz carrier rocket	4 December	339	196	62.8	89.6	Investigation of the upper atmosphere and outer space
2642	Cosmos-2109*	8 December	19 142	19 142	64.8	676	) Testing of components and equipment of a space navigation system being set up to determine the position of civil aircraft and ships of the USSR merchant marine and fishing fleet
2643	Cosmos-2110*	"	"	"	"	"	)
2644	Cosmos-2111*	"	"	"	"	"	)
2645	Cosmos-2112, launched by a Cosmos carrier rocket	10 December	800	774	74.1	100.7	Investigation of outer space
2646	Raduga, launched by a Proton carrier rocket	20 December	35 937	35 937	1.3	1 443	Telephone and telegraph communications and transmission of television programmes
2647	Cosmos-2113, launched by a Soyuz carrier rocket	21 December	307	189	64.8	89.2	Investigation of the upper atmosphere and outer space

No.	Name of space object	Date of launching	Basic orbit characteristics: Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General purpose of space object
1	2	3	4	5	6	7	8
2648	Cosmos-2114**	22 December	1 442	1 388	82.6	114.1	Investigation of outer space
2649	Cosmos-2115**	"	"	"	"	"	"
2650	Cosmos-2116**	"	"	"	"	"	"
2651	Cosmos-2117**	"	"	"	"	"	"
2652	Cosmos-2118**	"	"	"	"	"	"
2653	Cosmos-2119**	"	"	"	"	"	"
2654	Cosmos-2120, launched by a Soyuz carrier rocket	26 December	253	188	82.6	88.6	Investigation of the upper atmosphere and outer space
2655	Raduga-1, launched by a Proton carrier rocket	27 December	36 535	36 535	1.4	1 474	Further expansion of the long-range telephone and telegraph radio-communications system in the territory of the USSR

* Space objects Cosmos-2109, Cosmos-2110 and Cosmos-2111 were launched by a single Proton carrier rocket.

** Space objects Cosmos-2114, Cosmos-2115, Cosmos-2116, Cosmos-2117, Cosmos-2118 and Cosmos-2119 were launched by a single Tsiklon carrier rocket.

All space objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in December 1990 and were no longer in Earth orbit at 2400 hours Moscow time on 31 December 1990:

1985-018A (Cosmos-1631)
1990-067A (Soyuz TM-10)
1990-098A (Cosmos-2102)

UNITED
NATIONS

ST

Secretariat

Distr.
GENERAL

ST/SG/SER.E/239
12 March 1991
ENGLISH
ORIGINAL: FRENCH

COMMITTEE ON THE PEACEFUL USES
OF OUTER SPACE

INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON
REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 5 March 1991 from the Permanent Mission of France
to the United Nations addressed to the Secretary-General

The Permanent Mission of France to the United Nations presents its compliments to the Secretary-General and, in conformity with the provisions of article IV of the Convention on Registration of Objects Launched into Outer Space, has the honour to transmit information concerning the space objects registered by France in 1990 and 1991.

SPACE OBJECTS REGISTERED BY FRANCE IN 1990

All of the space objects mentioned below were launched from Kourou, French Guiana

United Nations registration number	Date of launch (UT)	Nodal Period (min)	Inclination (degrees)	Apogee (km)	Perigee (km)	General function of space object
1990-1-A	22 January	100.72	98.75	802.4	785.2	Third stage of a three-stage launch vehicle
1990-1-B	22 January	101.30	98.70	830	814	SPOT 2 Earth observation satellite
1990-2-A	24 July	636.96	4.00	35 988	300	Third stage of a three-stage launch vehicle
1990-2-B	24 July	1 436	0.00	35 786	35 786	TDF 2 direct broadcasting satellite
1990-3-A	30 August	635.58	7.00	36 019	200	Third stage of a three-stage launch vehicle
1990-3-B*	30 August	1 436	0.00	35 786	35 786	Telecommunications satellite EUTELSAT-II-F1
1990-4	12 October	648.55	7.00	36 679	204	Third stage of a three-stage launch vehicle
1990-5	20 November	634.36	7.00	35 954	201.8	Third stage of a three-stage launch vehicle

* The European Telecommunications Satellite Organization (EUTELSAT) and France have agreed that France will register the satellite on a provisional basis until EUTELSAT is in a position to register the satellite itself. Information pertaining to this satellite has already been communicated to the Secretary-General and is contained in a separate document (ST/SG/SER.E/234).

SPACE OBJECT REGISTERED BY FRANCE IN 1991

United Nations registration No.	Date of launching (UT)	Nodal Period (minutes)	Inclination (degrees)	Apogee (km)	Perigee (km)	General purpose of space object
1991-1-B	15 January	1 436	0.00	35 786	35 786	Telecommunications satellite EUTELSAT-II-F2

The satellite was launched from Kourou (French Guiana).

Note: The European Telecommunications Satellite Organization (EUTELSAT) and France have agreed that France will register the satellite on a provisional basis until EUTELSAT is in a position to register the satellite itself.